

Title (en)
SHEATH WITH CHANNEL FOR ENDOSCOPE

Title (de)
SCHLEUSE MIT KANAL FÜR ENDOSKOP

Title (fr)
GAINE A CANAL POUR ENDOSCOPE

Publication
EP 1659921 B1 20160511 (EN)

Application
EP 04780129 A 20040804

Priority
• US 2004025238 W 20040804
• US 49197103 P 20030804

Abstract (en)
[origin: WO2005016181A2] A sheath assembly (100) for an invasive probe. The sheath assembly (100) includes an internal sheath (102) for covering a probe and at least one channel tube (112) external to the internal sheath (102), the channel tube (112) being foldable into a closed state in which the tube does not define a channel, or openable into an open state in which the tube defines a channel that extends along a portion of the sheath assembly (100).

IPC 8 full level
A61B 1/00 (2006.01)

IPC 8 main group level
A61F (2006.01)

CPC (source: EP US)
A61B 1/00135 (2013.01 - EP US); **A61B 1/0014** (2013.01 - EP US); **A61B 1/00142** (2013.01 - EP US); **A61B 1/012** (2013.01 - EP US); **A61B 1/015** (2013.01 - EP US); **A61B 1/018** (2013.01 - EP US); **A61B 46/10** (2016.02 - EP US); **A61B 46/13** (2016.02 - EP US)

Citation (examination)
• US 5217001 A 19930608 - NAKAO NAOMI L [US], et al
• US 4406656 A 19830927 - HATTLER BRACK G [US], et al
• US 2001000040 A1 20010315 - ADAMS RONALD [US], et al
• US 5588432 A 19961231 - CROWLEY ROBERT J [US]

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2005016181 A2 20050224; WO 2005016181 A3 20050414; WO 2005016181 A8 20050519; EP 1659921 A2 20060531;
EP 1659921 A4 20100519; EP 1659921 B1 20160511; EP 2865320 A1 20150429; ES 2585341 T3 20161005; US 2007142709 A1 20070621

DOCDB simple family (application)
US 2004025238 W 20040804; EP 04780129 A 20040804; EP 14198653 A 20040804; ES 04780129 T 20040804; US 56692704 A 20040804